

1641
RECEIVED

SEP 20 2002

#13
Page 1 of 7

TECH CENTER 1600/2900



ENTERED

1600

RAW SEQUENCE LISTING

DATE: 09/09/2002

PATENT APPLICATION: US/09/839,884A

TIME: 12:45:06

Input Set : A:\64-98.app

Output Set: N:\CRF3\09092002\I839884A.raw

3 <110> APPLICANT: Aebersold, Rudolf H.
4 Gelb, Michael H
5 Gygi, Steven
6 Scott, C R
7 Turecek, Frantisek
8 Gerber, Scott A
9 Rist, Beate
11 <120> TITLE OF INVENTION: Rapid Quantitative Analysis of Proteins or Protein
12 Function in Complex Mixture
14 <130> FILE REFERENCE: 64-98A
C--> 16 <140> CURRENT APPLICATION NUMBER: US/09/839,884A
17 <141> CURRENT FILING DATE: 2001-04-20
19 <150> PRIOR APPLICATION NUMBER: 09/383,062
20 <151> PRIOR FILING DATE: 1999-08-25
22 <150> PRIOR APPLICATION NUMBER: 60/097,788
23 <151> PRIOR FILING DATE: 1998-08-25
25 <160> NUMBER OF SEQ ID NOS: 64
27 <170> SOFTWARE: PatentIn Ver. 2.0
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 7
31 <212> TYPE: PRT
32 <213> ORGANISM: Artificial Sequence
34 <220> FEATURE:
35 <223> OTHER INFORMATION: Description of Artificial Sequence: Heptapeptide
36 motif found in substrates for glycosylation
38 <400> SEQUENCE: 1
39 Tyr Gln Ser Asn Ser Thr Met
40 1 5
43 <210> SEQ ID NO: 2
44 <211> LENGTH: 7
45 <212> TYPE: PRT
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Description of Artificial Sequence: Test peptide
51 <400> SEQUENCE: 2
52 Lys Ala Leu Cys Ser Glu Lys
53 1 5
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 6
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Description of Artificial Sequence: Test peptide

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/839,884A

DATE: 09/09/2002

TIME: 12:45:06

Input Set : A:\64-98.app

Output Set: N:\CRF3\09092002\I839884A.raw

```

64 <400> SEQUENCE: 3
65 Lys Cys Glu Val Phe Arg
66   1           5
69 <210> SEQ ID NO: 4
70 <211> LENGTH: 9
71 <212> TYPE: PRT
72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Description of Artificial Sequence: Test peptide
77 <400> SEQUENCE: 4
78 Lys Leu Asp Gln Trp Leu Cys Glu Lys
79   1           5
82 <210> SEQ ID NO: 5
83 <211> LENGTH: 15
84 <212> TYPE: PRT
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Description of Artificial Sequence: Test peptide
90 <400> SEQUENCE: 5
91 Lys Phe Leu Asp Asp Asp Leu Thr Asp Asp Ile Met Cys Val Lys
92   1           5           10           15
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 18
97 <212> TYPE: PRT
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Description of Artificial Sequence: Test peptide
103 <400> SEQUENCE: 6
104 Lys Asp Asp Gln Asn Pro His Ser Ser Asn Ile Cys Asn Ile Ser Cys
105   1           5           10           15
107 Asp Lys
111 <210> SEQ ID NO: 7
112 <211> LENGTH: 43
113 <212> TYPE: PRT
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Description of Artificial Sequence: Test peptide
119 <400> SEQUENCE: 7
120 Lys Gly Tyr Gly Gly Val Ser Leu Pro Glu Trp Val Cys Thr Thr Phe
121   1           5           10           15
123 His Thr Ser Gly Tyr Asp Thr Gln Ala Ile Val Gln Asn Asn Asp Ser
124           20           25           30
126 Thr Glu Tyr Gly Leu Phe Gln Ile Asn Asn Lys
127           35           40
130 <210> SEQ ID NO: 8
131 <211> LENGTH: 6
132 <212> TYPE: PRT
133 <213> ORGANISM: bovine
135 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 09/09/2002

PATENT APPLICATION: US/09/839,884A

TIME: 12:45:06

Input Set : A:\64-98.app

Output Set: N:\CRF3\09092002\I839884A.raw

```

136 <221> NAME/KEY: VARIANT
137 <222> LOCATION: (3)
138 <223> OTHER INFORMATION: C at position 3 is ICAT- labeled cysteinyl residue
140 <400> SEQUENCE: 8
141 Ala Leu Cys Ser Glu Lys
142   1       5
145 <210> SEQ ID NO: 9
146 <211> LENGTH: 13
147 <212> TYPE: PRT
148 <213> ORGANISM: bovine
150 <220> FEATURE:
151 <221> NAME/KEY: VARIANT
152 <222> LOCATION: (11)
153 <223> OTHER INFORMATION: C at position 11 is ICAT-labeled cysteinyl
154   residue.
156 <400> SEQUENCE: 9
157 Phe Leu Asp Asp Leu Thr Asp Asp Ile Met Cys Val Lys
158   1       5           10
161 <210> SEQ ID NO: 10
162 <211> LENGTH: 10
163 <212> TYPE: PRT
164 <213> ORGANISM: chicken
166 <220> FEATURE:
167 <221> NAME/KEY: VARIANT
168 <222> LOCATION: (8)
169 <223> OTHER INFORMATION: C at position 8 is ICAT-labeled cystenyl residue.
171 <400> SEQUENCE: 10
172 Ala Asp His Pro Phe Leu Phe Cys Ile Lys
173   1       5           10
176 <210> SEQ ID NO: 11
177 <211> LENGTH: 12
178 <212> TYPE: PRT
179 <213> ORGANISM: chicken
181 <220> FEATURE:
182 <221> NAME/KEY: VARIANT
183 <222> LOCATION: (10)
184 <223> OTHER INFORMATION: C at position 10 is ICAT labeled cysteinyl
185   residue.
187 <400> SEQUENCE: 11
188 Tyr Pro Ile Leu Pro Glu Tyr Leu Gln Cys Val Lys
189   1       5           10
192 <210> SEQ ID NO: 12
193 <211> LENGTH: 8
194 <212> TYPE: PRT
195 <213> ORGANISM: E coli
197 <220> FEATURE:
198 <221> NAME/KEY: VARIANT
199 <222> LOCATION: (5)
200 <223> OTHER INFORMATION: C at position 5 is ICAT-labeled cysteinyl residue.

```

RAW SEQUENCE LISTING

DATE: 09/09/2002

PATENT APPLICATION: US/09/839,884A

TIME: 12:45:06

Input Set : A:\64-98.app

Output Set: N:\CRF3\09092002\I839884A.raw

```

202 <400> SEQUENCE: 12
203 Leu Thr Ala Ala Cys Phe Asp Arg
204   1           5
207 <210> SEQ ID NO: 13
208 <211> LENGTH: 13
209 <212> TYPE: PRT
210 <213> ORGANISM: E coli
212 <220> FEATURE:
213 <221> NAME/KEY: VARIANT
214 <222> LOCATION: (5)
215 <223> OTHER INFORMATION: C at position 5 is ICAT-labeled cysteinyl residue.
217 <400> SEQUENCE: 13
218 Ile Gly Leu Asn Cys Gln Leu Ala Gln Val Ala Glu Arg
219   1           5           10
222 <210> SEQ ID NO: 14
223 <211> LENGTH: 17
224 <212> TYPE: PRT
225 <213> ORGANISM: E coli
227 <220> FEATURE:
228 <221> NAME/KEY: VARIANT
229 <222> LOCATION: (14)
230 <223> OTHER INFORMATION: C at position 14 is ICAT-labeled cysteinyl
231   residue.
233 <400> SEQUENCE: 14
234 Ile Ile Phe Asp Gly Val Asn Ser Ala Phe His Leu Trp Cys Asn Gly
235   1           5           10           15
237 Arg
241 <210> SEQ ID NO: 15
242 <211> LENGTH: 9
243 <212> TYPE: PRT
244 <213> ORGANISM: bovine
246 <220> FEATURE:
247 <221> NAME/KEY: VARIANT
248 <222> LOCATION: (6)
249 <223> OTHER INFORMATION: C at position 6 is ICAT-labeled cysteinyl residue.
251 <400> SEQUENCE: 15
252 Trp Glu Asn Gly Glu Cys Ala Gln Lys
253   1           5
256 <210> SEQ ID NO: 16
257 <211> LENGTH: 14
258 <212> TYPE: PRT
259 <213> ORGANISM: bovine
261 <220> FEATURE:
262 <221> NAME/KEY: VARIANT
263 <222> LOCATION: (12)
264 <223> OTHER INFORMATION: C at position 12 is ICAT-labeled cysteinyl
265   residue.
267 <400> SEQUENCE: 16
268 Leu Ser Phe Asn Pro Thr Gln Leu Glu Glu Gln Cys His Ile

```

RAW SEQUENCE LISTING

DATE: 09/09/2002

PATENT APPLICATION: US/09/839,884A

TIME: 12:45:06

Input Set : A:\64-98.app

Output Set: N:\CRF3\09092002\I839884A.raw

```

269      1              5              10
272 <210> SEQ ID NO: 17
273 <211> LENGTH: 14
274 <212> TYPE: PRT
275 <213> ORGANISM: rabbit
277 <220> FEATURE:
278 <221> NAME/KEY: VARIANT
279 <222> LOCATION: (13)
280 <223> OTHER INFORMATION: C at position 13 is ICAT-labeled cysteinyl
281      residue.
283 <400> SEQUENCE: 17
284 Val Pro Thr Pro Asn Val Ser Val Val Asp Leu Thr Cys Arg
285      1              5              10
288 <210> SEQ ID NO: 18
289 <211> LENGTH: 17
290 <212> TYPE: PRT
291 <213> ORGANISM: rabbit
293 <220> FEATURE:
294 <221> NAME/KEY: VARIANT
295 <222> LOCATION: (1)..(17)
296 <223> OTHER INFORMATION: C at positions 7 and 11 are ICAT-labeled cysteinyl
297      residues.
299 <400> SEQUENCE: 18
300 Ile Val Ser Asn Ala Ser Cys Thr Thr Asn Cys Leu Ala Pro Leu Ala
301      1              5              10              15
303 Lys
307 <210> SEQ ID NO: 19
308 <211> LENGTH: 15
309 <212> TYPE: PRT
310 <213> ORGANISM: rabbit
312 <220> FEATURE:
313 <221> NAME/KEY: VARIANT
314 <222> LOCATION: (2)
315 <223> OTHER INFORMATION: C at position 2 is ICAT-labeled cysteinyl residue.
317 <400> SEQUENCE: 19
318 Ile Cys Gly Gly Trp Gln Met Glu Glu Ala Asp Asp Trp Leu Arg
319      1              5              10              15
322 <210> SEQ ID NO: 20
323 <211> LENGTH: 16
324 <212> TYPE: PRT
325 <213> ORGANISM: rabbit
327 <220> FEATURE:
328 <221> NAME/KEY: VARIANT
329 <222> LOCATION: (2)
330 <223> OTHER INFORMATION: C at position 2 is ICAT-labeled cysteinyl residue.
332 <400> SEQUENCE: 20
333 Thr Cys Ala Tyr Thr Asn His Thr Val Leu Pro Glu Ala Leu Glu Arg
334      1              5              10              15
337 <210> SEQ ID NO: 21

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/839,884A

DATE: 09/09/2002

TIME: 12:45:07

Input Set : A:\64-98.app

Output Set: N:\CRF3\09092002\I839884A.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application Number